

## Patent claims

1. A method for determining field strength in a mobile radio system which has the following method steps:
- data are alternately transmitted and received in timeslots ( $f_k$ ,  $f_{k+1}$ ), where a timeslot ( $f_k$ ,  $f_{k+1}$ ) comprises at least one time interval for transmitting or receiving a data block (TX, RX), and
  - the reception field strength (RSSI) is measured directly before (A, B) or directly after (C, D) transmission or reception of the data block (RX, TX).
2. A method as claimed in patent claim 1, wherein the mobile radio system uses a frequency hopping method.
3. The method as claimed in claim 1, wherein the frequency hopping method is an adaptive frequency hopping method.
4. The method as claimed in claim 3, wherein if the measured reception field strength or a value derived therefrom is greater than a prescribable threshold value, then that radio channel for which the measurement was performed is suppressed as part of an adaptive frequency hopping method.
5. The method as claimed in one of claims 1 to 4, wherein the reception field strength is measured directly before transmission or reception (A, B) of a data block (RX, TX) and at the end, but still during a transient

phase (RS, TS) of locking onto a new frequency in the mobile radio system.

6. The method as claimed in one of claims 1 to 5,  
5 wherein  
the field strength determination is performed in a Bluetooth mobile radio system.